Form 3160-3 (August 1999)

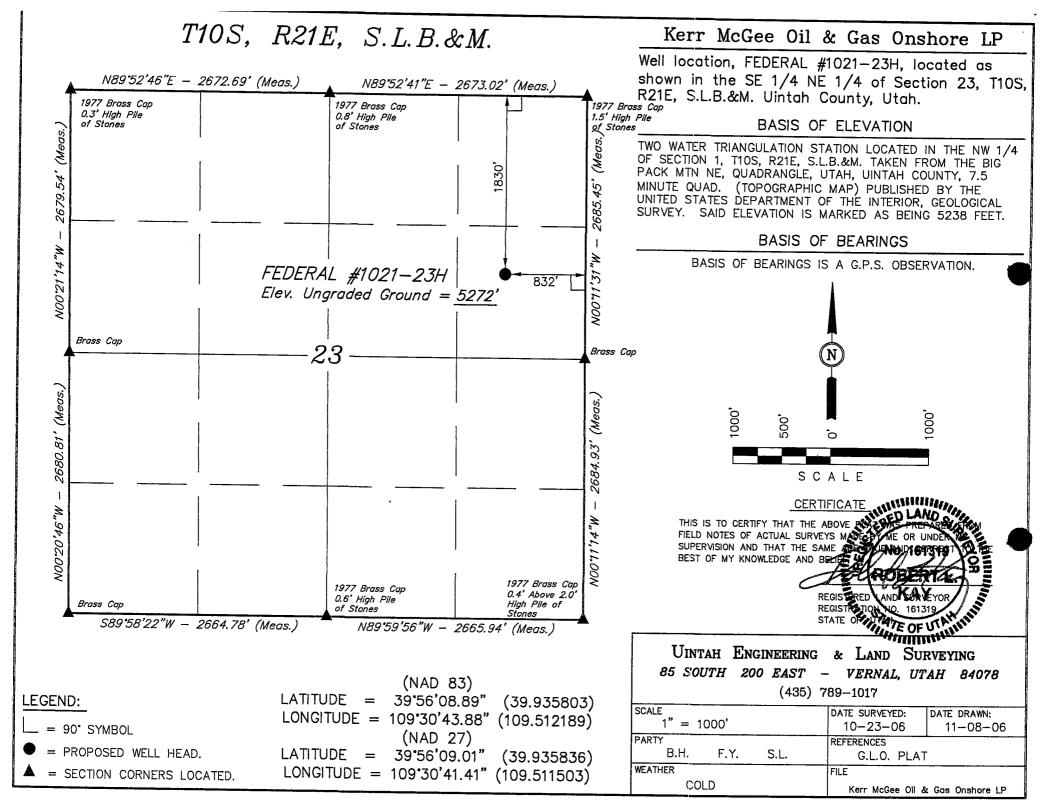
# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0136 Expires November 30, 2000

5. Lease Serial No.

BUREAU OF LAND MA	UTU-02277-A				
APPLICATION FOR PERMIT TO	6. If Indian, Allottee of	r Tribe Name			
1a. Type of Work: X DRILL R	7. If Unit or CA Agree	ment, Name and No.			
b. Type of Well: Oil Well Gas Well Other	Single Zone	Multiple Zone	8. Lease Name and Work FEDERAL 102		
2. Name of Operator KERR McGEE OIL & GAS ONSHORE LP	Name of the second seco		9. API Well No. 43 &	47-39568	
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area co. (435) 781-7024	ode)	10. Field and Pool, or I		
	189X 39 39 9	3580/ 3.511422	11. Sec., T., R., M., or SEC. 23, T10S, R	Blk, and Survey or Area  21E	
<ol> <li>Distance in miles and direction from nearest town or post office</li> <li>23.8 +/- MILES SOUTHEAST OF OURAY, UTAH</li> </ol>			12. County or Parish UINTAH	13. State UTAH	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	<ul><li>16. No. of Acres in lease</li><li>240.00</li></ul>	<ul><li>17. Spacing Unit de</li><li>40.00</li></ul>	dicated to this well		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.  REFER TO TOPO C	nnce from proposed location* arest well, drilling, completed,  REFER TO  19. Proposed Depth  20. BLM/BIA Bo				
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5272'GL	22. Approximate date work w	ill start*	23. Estimated duration		
	24. Attachments				
The following, completed in accordance with the requirements of O	nshore Oil and Gas Order No. 1, s	hall be attached to this	form:	· · · · · · · · · · · · · · · · · · ·	
<ol> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan.</li> <li>A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office.</li> </ol>	Lands, the 5. Operator co	ove). ertification. site specific information	less covered by an existin on and/or plans as may be		
25. Signafite	Name (Printed/Typed		D	ate 8/15/2007	
SENIOR LAND ADMIN SPECIALIST Approved by (Signature)	Name (Printed/Typed			ate 98-27-07	
Title	Offi ENVIRONMEN	TAL MANAGER			
Application approval does not warrant or certify that the applicant hoperations thereon.  Conditions of approval, if any, are attached.					
Title 18 U.S.C. Section 1001and Title 43 U.S.C. Section 1212, mak States any false, fictitious or fraudulent statements or representation			ake to any department or a	gency of the United	
*(Instructions on reverse)			RE	CEIVED	

Federal Approval of this Action is Nacessary AUG 2 1 2007



# FEDERAL #1021-23H SE/NE SEC. 23, T10S, R21E UINTAH COUNTY, UTAH UTU-02277-A

#### **ONSHORE ORDER NO. 1**

#### DRILLING PROGRAM

# 1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1059'
Top of Birds Nest Water	1369'
Mahogany	1972'
Wasatch	4292'
Mesaverde	6979'
MVU2	7939'
MVL1	8515'
TD	9100'

## 2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Substance	<u>Formation</u>	<u>Depth</u>
	Green River	1059'
	Top of Birds Nest Water	1369'
	Mahogany	1972'
Gas	Wasatch	4292'
Gas	Mesaverde	6979'
Gas Gas	MVU2	7939'
Gas	MVL1	8515'
Water	N/A	
Other Minerals	N/A	

#### 3. <u>Pressure Control Equipment</u> (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

#### 4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

## 5. <u>Drilling Fluids Program:</u>

Please see the Natural Buttes Unit SOP.

# 6. <u>Evaluation Program</u>:

Please see the Natural Buttes Unit SOP.

# 7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 9100' TD, approximately equals 5642 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3640 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

# 8. Anticipated Starting Dates:

Drilling is planned to commence immediately upon approval of this application.

## 9. <u>Variances:</u>

Please see Natural Buttes Unit SOP.

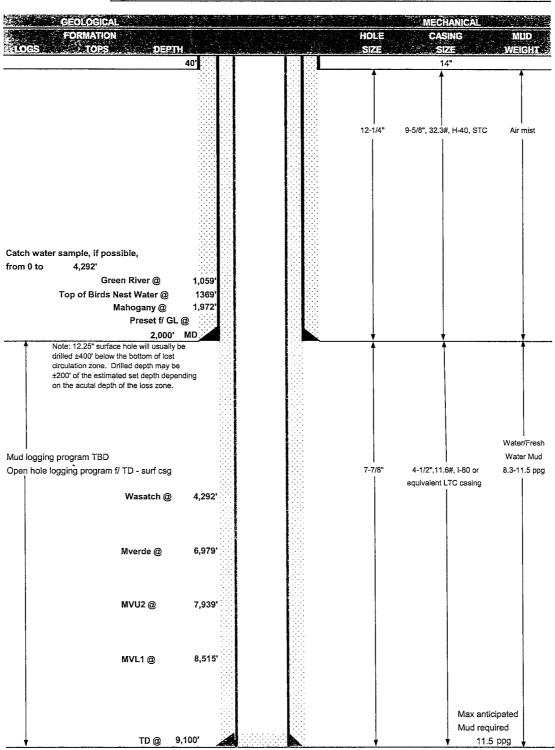
## 10. Other Information:

Please see Natural Buttes Unit SOP.



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	August 15	5, 2007		
WELL NAME	FEDERAL 1021-23H	TD	9,100'	MD/TVD		
FIELD Natural Butte	es COUNTY Uintah STATE	Utah E	LEVATION	5,272' GL	KE	3 5,287'
SURFACE LOCATION	SE/NE SEC. 23, T10S, R21E 1830'FNL, 832	FEL			BHL	Straight Hole
	Latitude: 39.935803 Longitude: 109	.512189				
OBJECTIVE ZONE(S)	Wasatch/Mesaverde					
ADDITIONAL INFO	Regulatory Agencies: BLM (SURF & MINER	ALS), UDOGM	I, Tri-County	Health Dept.		





#### KERR-McGEE OIL & GAS ONSHORE LP

#### DRILLING PROGRAM

#### CASING PROGRAM

								The state of the s	ESIGN FACT	
	SIZE		IEW.			GR.	Cite	EURST	CO PARSE	TENSION
CONDUCTOR	14"		0-40'							
								2270	1370	254000
SURFACE	9-5/8"	0	to	2000	32.30	H-40	STC	0.66******	1.46	4.49
								7780	6350	201000
PRODUCTION	4-1/2"	0	to	9100	11.60	1-80	LTC	2.26	1.17	2.18
	}									

<sup>1)</sup> Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psl/ft-partial evac gradient x TVD of next csg point)

(Burst Assumptions: TD =

11.5 ppg)

.22 psi/ft = gradient for partially evac wellbore

(Collapse Assumption: Fully Evacuated Casing, Max MW)

(Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)

MASP

3440 psi

Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

#### CEMENT PROGRAM

			W. V v . 17.5	President lander	307777777	account to the same of
		DESCRIPTION			DICE GRADE TO THE TAXABLE PARTY	<b>新</b> 黎江王(1988)
SURFACE LEAD	500	Premium cmt + 2% CaCl	215	60%	15.60	1.18
Option 1		+ .25 pps flocele				
TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt	50		15.60	1.18
		+ 2% CaCl + .25 pps flocele				
TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to s	urface, op	tion 2 will b	e utilized	
Option 2 LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite	170	35%	11.00	3.82
		+.25 pps Flocele + 3% salt BWOC		'		
TAIL	500	Premium cmt + 2% CaCl	180	35%	15.60	1.18
		+ .25 pps flocele				
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	3,790'	Premium Lite II + 3% KCI + 0.25 pps	420	60%	11.00	3.38
		celloflake + 5 pps gilsonite + 10% gel				
		+ 0.5% extender				
TAIL	5,310'	50/50 Poz/G + 10% salt + 2% gel	1490	60%	14.30	1.31
		+.1% R-3				

<sup>\*</sup>Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

#### FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.	
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.	

#### ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11\* 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder &

tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper

& lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

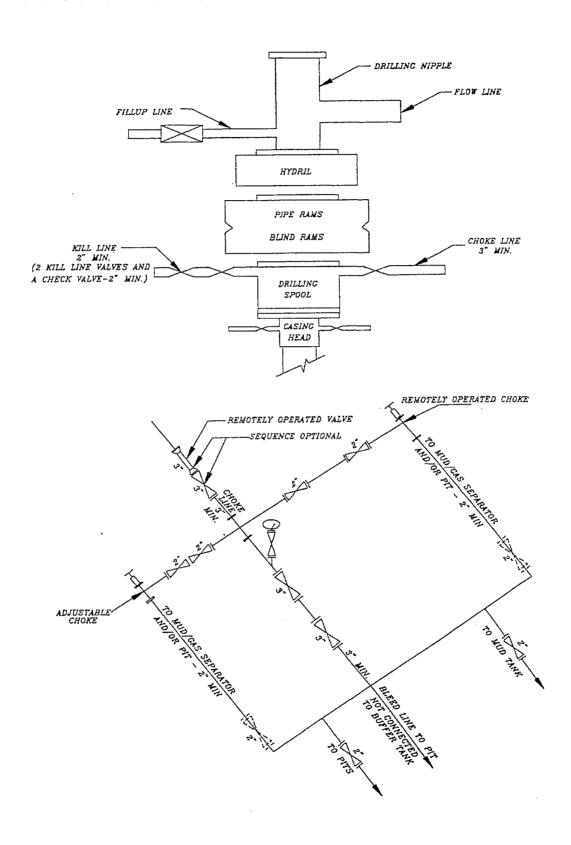
Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utililized.

DRILLING ENGINEER:		DATE:
	Brad Laney	
DRILLING SUPERINTENDENT:		DATE:
	Randy Bayne	

<sup>2)</sup> MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)

<sup>\*</sup>Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



# FEDERAL #1021-23H SE/NE SEC 23, T10S, R21E UINTAH COUNTY, UTAH UTU-02277-A

#### **ONSHORE ORDER NO. 1**

#### **MULTI-POINT SURFACE USE & OPERATIONS PLAN**

#### 1. Existing Roads:

Directions to the proposed location are attached.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

#### 2. Planned Access Roads:

Approximately 250' +/- of re-route access road is proposed on the north side of the location. Please refer to the attached Topo Map B.

Approximately 250' +/- of re-route access road is proposed on the south side of the location. Please refer to the attached Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

## 3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

#### 4. <u>Location of Existing & Proposed Facilities & Pipelines:</u>

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

#### Variances to Best Management Practices (BMP) Requests:

Approximately 45' +/- of 4" steel pipeline re-route is proposed. Please refer to the attached Topo Map D for pipeline placement.

Approximately 161' +/- of 4" steel pipeline re-route is proposed. Please refer to the attached Topo Map D for pipeline placement.

The pipeline shall be installed on surface within access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil has a poor history for successful rehabilitation.

#### 5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

#### 6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

## 7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR

355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec.35, T9S,

R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E. (Request is in lieu of filing Form 3160-5, after initial production).

#### 8. **Ancillary Facilities:**

None are anticipated.

#### 9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

#### 10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

When the pit is backfilled, the topsoil pile shall be spread on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The following seed mixture will be used to reclaim the surface for interim reclamation using appropriate reclamation methods. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for drilled seeds are:

Black Sagebrush 8 lbs Galleta Grass 12 lbs

The operator shall call BLM for the seed mixture when final reclamation occurs.

#### 11. Surface Ownership:

United States of America Bureau of Land Management 170 South 500 East Vernal, UT 84078 (435) 781-4400

#### 12. Other Information:

A Class III Archaeological Survey has been performed, the report will be submitted when it becomes available.

The paleontological Survey Report has been performed, the report will be submitted when it becomes available.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these

conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

#### 13. Lessee's or Operators's Representative & Certification:

Sheila Upchego Senior Land Admin Specialist Kerr-McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078 (435) 781-7024 Randy Bayne Drilling Manager Kerr-McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078 (435)781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Kerr-McGee Oil &Gas Onshore LP is considered to be the operator of the subject well. Westport Oil & Gas Company agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that the proposed drill site and access route has been inspected and that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Sheila Upchego

August 15, 2007

Date

# Kerr-McGee Oil & Gas Onshore LP FEDERAL #1021-23H SECTION 23, T10S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 6.3 MILES TO BEGINNING OF THE PROPOSED ACCESS FOR THE PROPOSED #1021-24C TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 200' TO THE BEGINNING OF THE PROPOSED ACCESS RE-ROUTE TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 250' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 48.6 MILES.

# Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1021-23H LOCATED IN UINTAH COUNTY, UTAH **SECTION 23, T10S, R21E, S.L.B.&M.** 

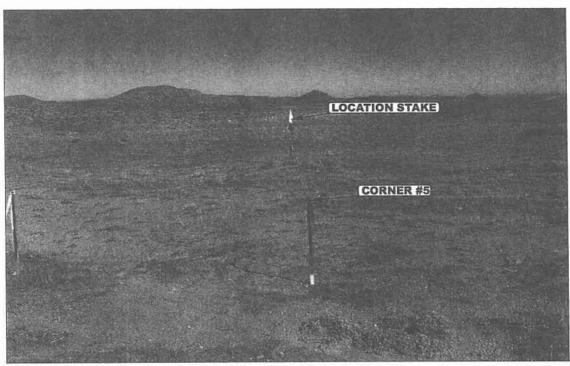


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

**CAMERA ANGLE: NORTHEASTERLY** 

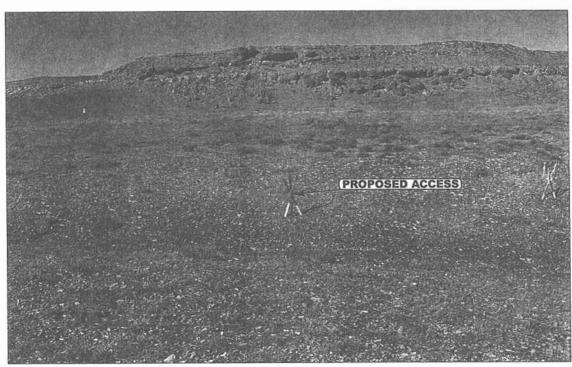


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

**CAMERA ANGLE: NORTHWESTERLY** 

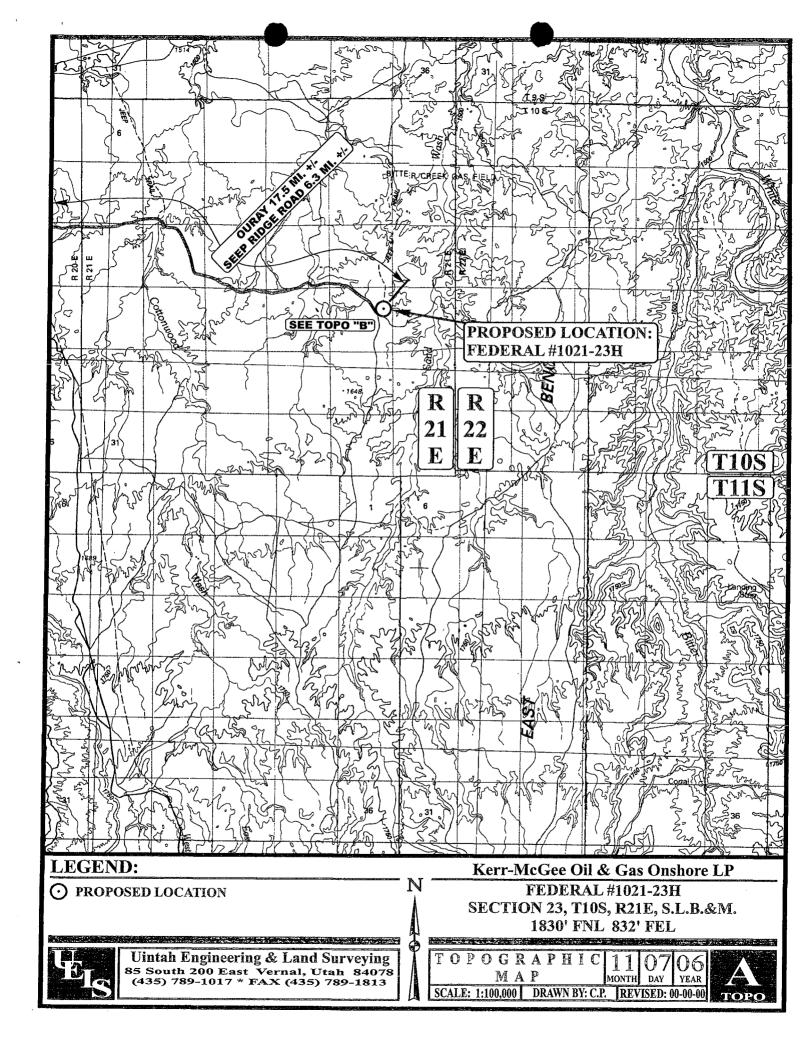


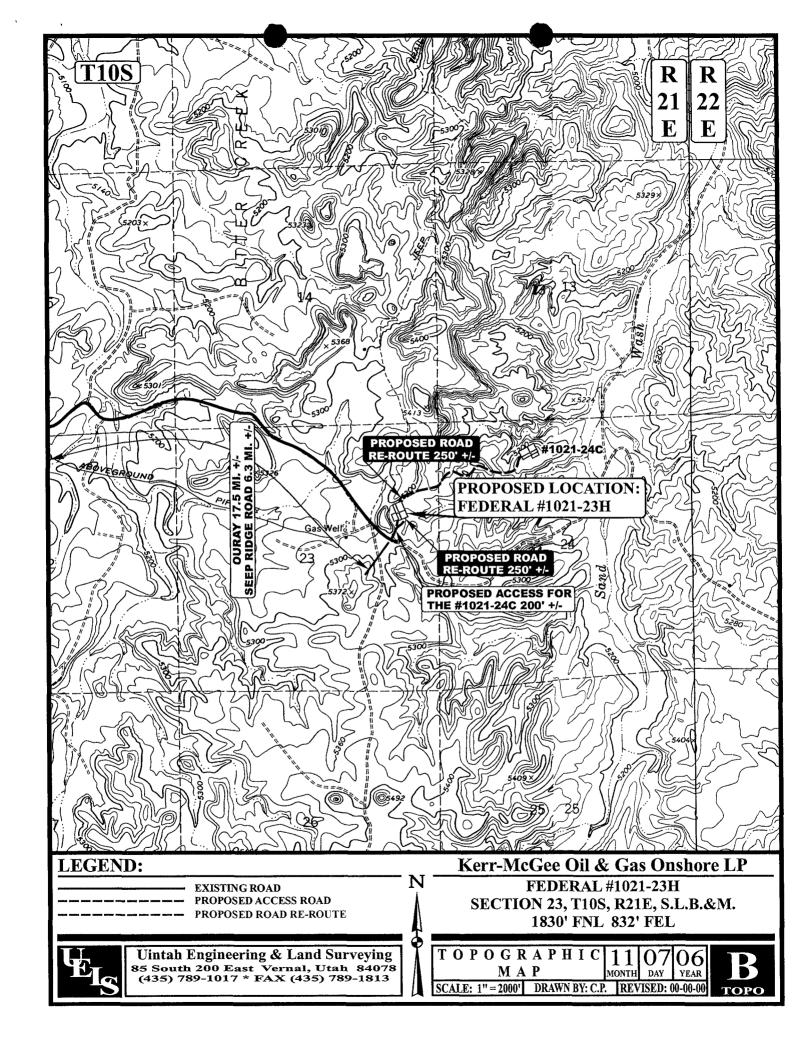
Uintah Engineering & Land Surveying S South 200 East Vernal, Utah 84078 435-789-1017 uels@uelsinc.com

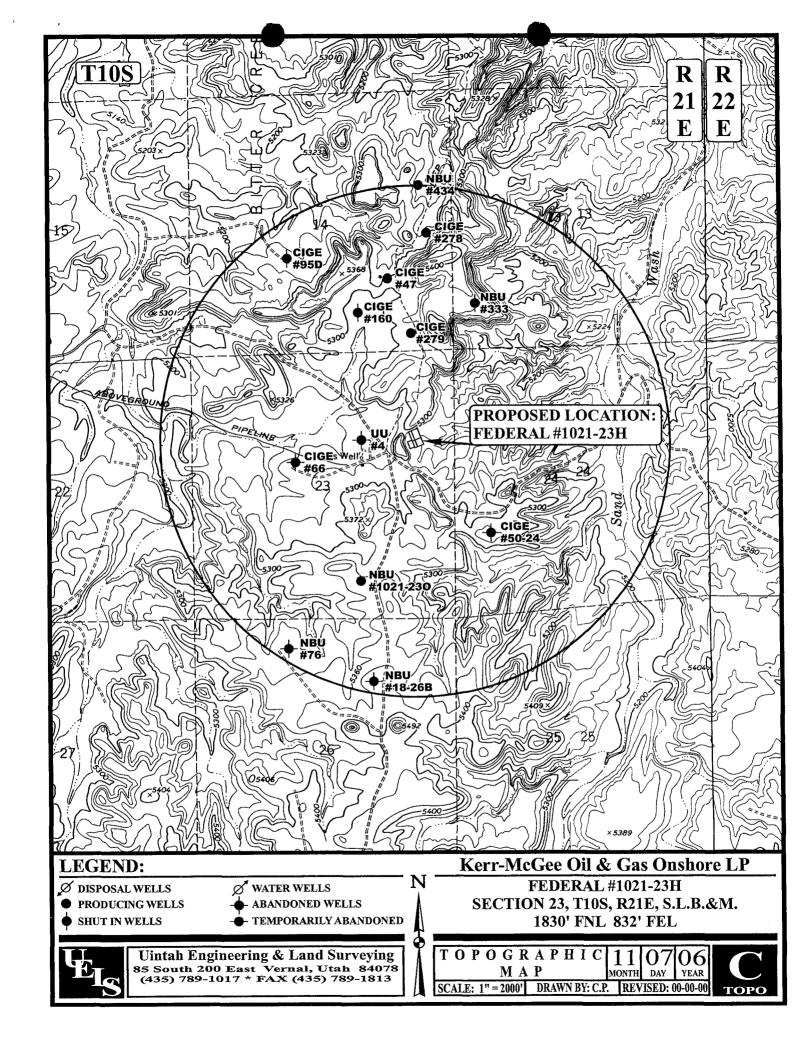
LOCATION PHOTOS

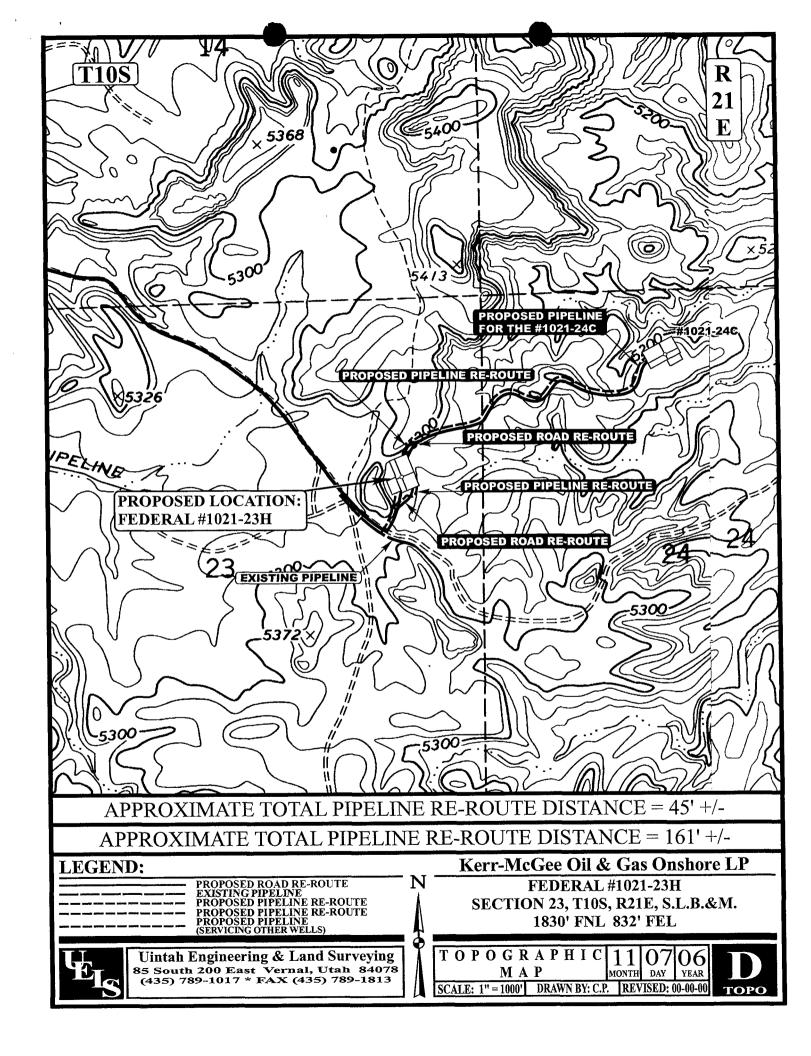
TAKEN BY: B.H. | DRAWN BY: C.P. | REVISED: 00-00-00

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# Kerr-McGee Oil & Gas Onshore LP

FEDERAL #1021-23H

PIPELINE ALIGNMENT LOCATED IN UINTAH COUNTY, UTAH SECTION 23, T10S, R21E, S.L.B.&M.

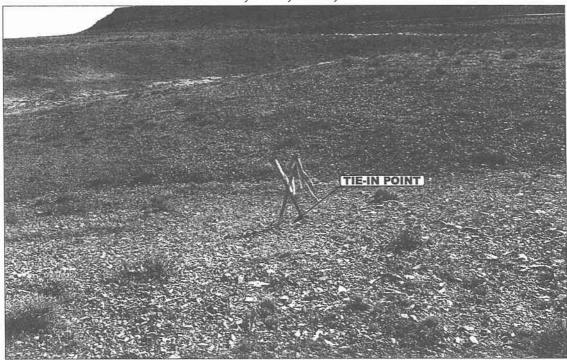


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHEASTERLY

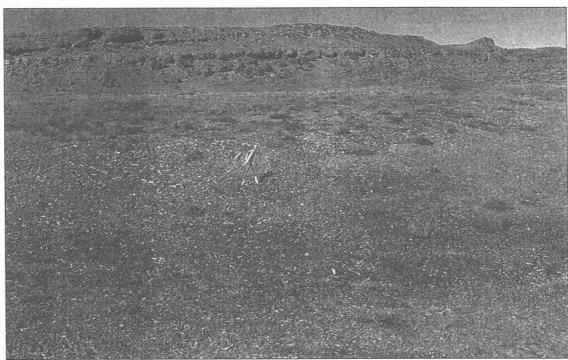


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHWESTERLY

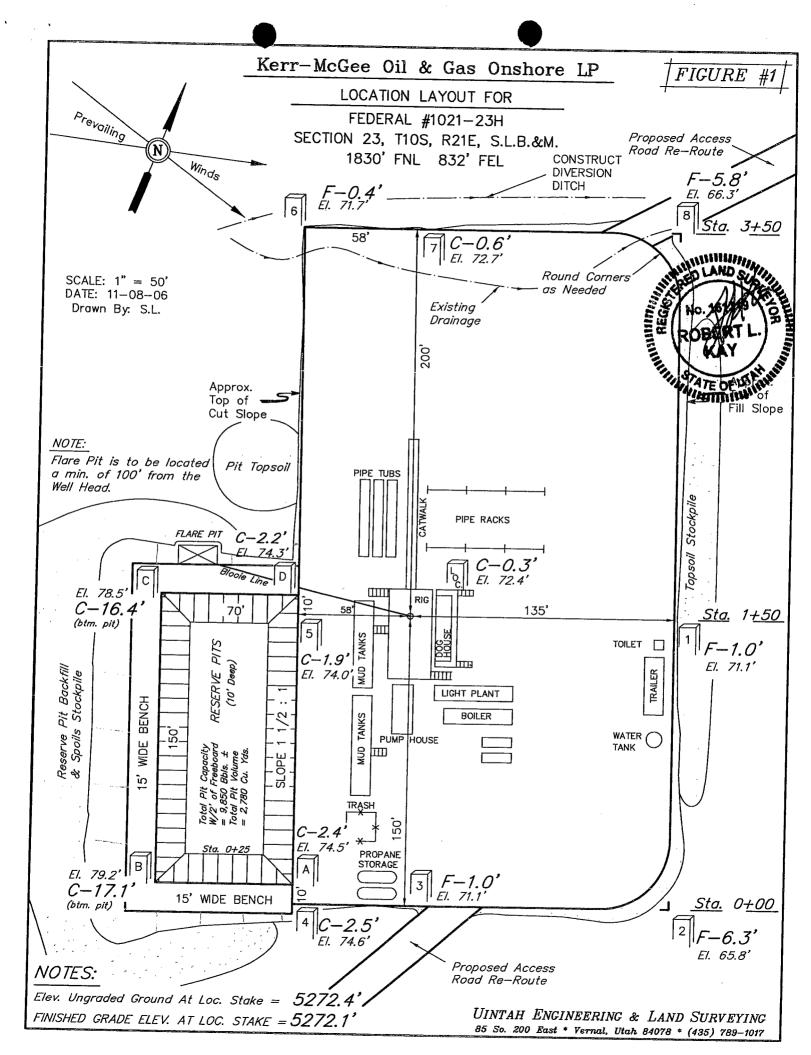


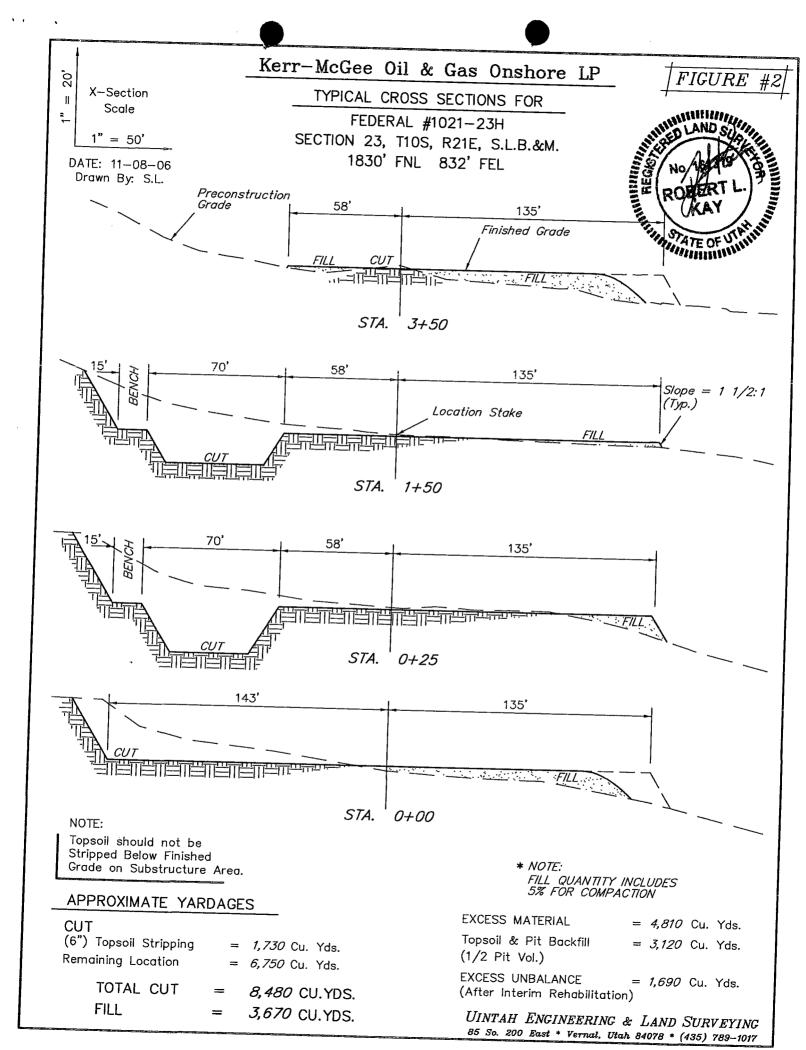
PIPELINE PHOTOS

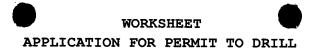
11 07 06 MONTH DAY YEAR

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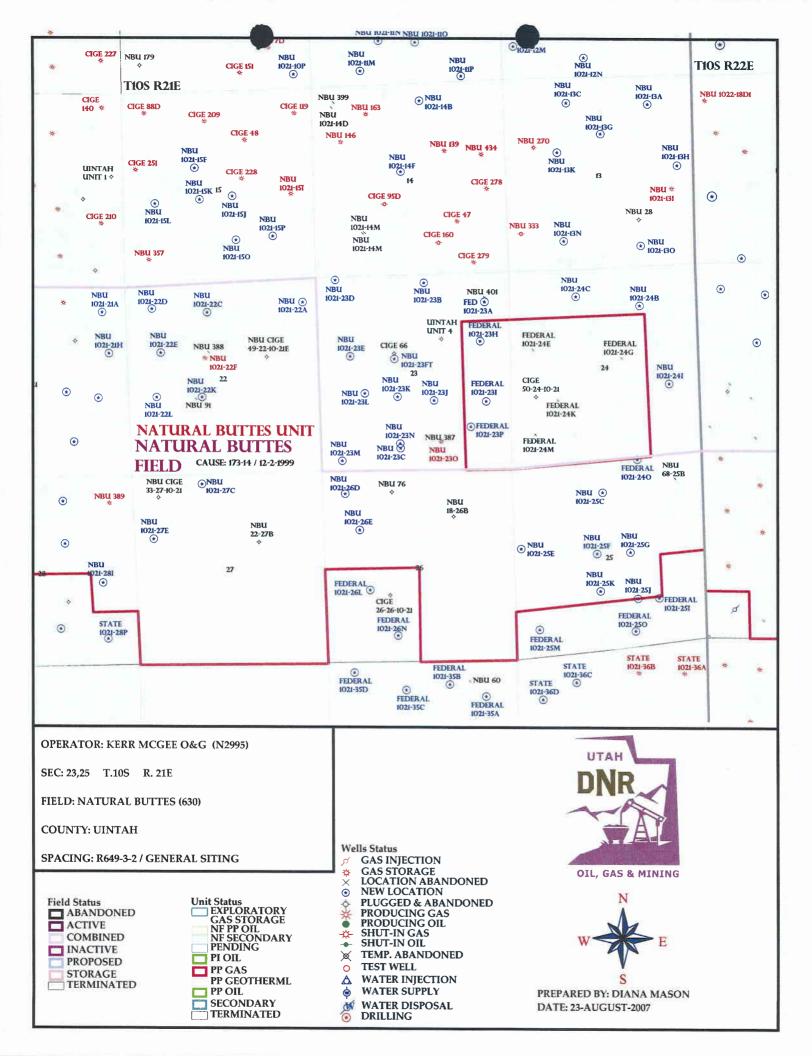
TAKEN BY: B.H. | DRAWN BY: C.P. | REVISED: 00-00-00







APD RECEIVED: 08/21/2007	APT NO ASST	GNED: 43-047	7-39568		
	111 110. ADDI				
WELL NAME: FEDERAL 1021-23H	PHONE NUMBER:	135_701_702	1		
OPERATOR: KERR-MCGEE OIL & GAS ( N2995 ) CONTACT: SHEILA UPCHEGO	PHONE NUMBER:	433-701-7024	<del></del>		
CONTACT.	<del></del>				
PROPOSED LOCATION:	INSPECT LOCATI	N BY: /	/		
SENE 23 100S 210E SURFACE: 1830 FNL 0832 FEL	Tech Review	Initials	Date		
BOTTOM: 1830 FNL 0832 FEL	Engineering				
COUNTY: UINTAH	Geology				
LATITUDE: 39.93580 LONGITUDE: -109.5114					
UTM SURF EASTINGS: 627189 NORTHINGS: 44214 FIELD NAME: NATURAL BUTTES (630	03				
LEASE TYPE: 1 - Federal  LEASE NUMBER: UTU-02277-A  SURFACE OWNER: 1 - Federal	PROPOSED FORMA COALBED METHAN		VD		
RECEIVED AND/OR REVIEWED:	LOCATION AND SITING:				
Plat	R649-2-3.				
Bond: Fed[1] Ind[] Sta[] Fee[]	Unit:				
No. WYB000291 ) Potash (Y/N)	✓ R649-3-2. Gene	ral			
Oil Shale 190-5 (B) or 190-3 or 190-13	Siting: 460 From Qtr/Qtr & 920' Between Wells				
Water Permit	R649-3-3. Exce	ption			
(No. $\frac{43-8496}{\text{RDCC Review (Y/N)}}$ )	Drilling Unit				
(Date:)	•				
Fee Surf Agreement (Y/N)  Eff Date: Siting:			·		
Intent to Commingle (Y/N)	R649-3-11. Dir	ectional Dril	Ll		
COMMENTS: Sp. Sperch	s. Gles				
STIPULATIONS: 1-40 CUM She					
3 - Ore	SHALE				





# State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

**Division of Oil Gas and Mining** 

JOHN R. BAZA
Division Director

August 27, 2007

Kerr McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078

Re:

Federal 1021-23H Well, 1830' FNL, 832' FEL, SE NE, Sec. 23, T. 10 South, R. 21 East,

Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39568.

Sincerely,

Associate Director

pab Enclosures

cc:

Uintah County Assessor

Bureau of Land Management, Vernal Office



API Number:	43-047-39568 UTU-02277-A		
Lease:	UTU-02277-A		
Location: SE NE	Sec. 23	T. 10 South	<b>R</b> 21 Fast

#### **Conditions of Approval**

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

## 2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

• Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

• Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

# 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

- 4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
- 5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Page 2 43-047-39568 August 27, 2007

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office 170 South 500 East Vernal, UT 84078 (435) 781-4400 Fax: (435) 781-4410



IN REPLY REFER TO: 3160 UT08300:

February 25, 2008

Raleen White Kerr McGee Oil & Gas Onshore LP 1368 South 1200 East Vernal, UT 84078 143.047 3° 5° 4

Re:

Well No. Federal 1021-23H SENE, Sec. 23, T10S, R21E Uintah County, Utah Lease No. UTU-02277-A

Dear Ms. White:

The Application for Permit to Drill (APD) the above referenced well submitted August 16, 2007, is being returned unapproved per your request to this office in an email message to Natural Resource Specialist Verlyn Pindell on February 13, 2008. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding this matter, please contact me at (435) 781-4455.

Sincerely,

cindy Severson

Cindy Severson Land Law Examiner

**Enclosures** 

cc:

UDOGM - Diana Mason

RECEIVED MAR 1 0 2008

DIV. OF OIL, GAS & MINING



# State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER

Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA Division Director

March 11, 2008

Raleen White Kerr McGee O&G Onshore LP 1368 South 1200 East Vernal UT 84078 Federal 1021-23H 43 047 39568 105 21*E* 23

Re: APDs Rescinded at the request of Kerr-McGee O&G Onshore LP

Dear Ms. White:

Enclosed find the list of APDs that you requested to be rescinded to Kerr-McGee O&G Onshore LP. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded, effective March 10, 2008.

A new APD must be filed with this office for approval <u>prior</u> to the commencement of any future work on the subject locations.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason

Environmental Scientist

ian Drasm

cc:

Well File

Bureau of Land Management, Vernal



Federal 920-35M

Federal 1021-34L

Federal 1021-340

Federal 1021-23I

Federal 1021-23H

NBU 1021-3I

NBU 1021-6E

NBU 1021-5MT

NBU 1021-12M

NBU 1021-12K

NBU 1021-11J

NBU 1021-11N

NBU 1021-110

NBU 1021-14B

NBU 1021-14F

NBU 1021-15J

NBU 1021-15K

NBU 1021-150

NBU 1021-23C

NBU 1021-23D

NBU 1021-23E

NBU 1021-23B

NBU 1021-23J

NBU 1021-23K

NBU 1021-23N

NBU 1021-23M

NBU 1021-22E

NBU 1021-22C

NBU 1021-22L

NBU 1021-22K

NBU 1021-22D

**LOVE UNIT 1122-18F** 

**LOVE UNIT 1122-180** 

**LOVE UNIT 1122-18N** 

**LOVE UNIT 1122-19F** 

**LOVE UNIT 1122-15J** 

LOVE 1121-2B

LOVE 1121-7J

LOVE 1121-14J

LOVE 1121-14L

LOVE 1121-15J